# 55084US-sequencelisting.ST25 SEQUENCE LISTING

```
<110> ROSS, Richard
       ARTYMIUK, Peter SAYERS, Jon
<120> Polypeptide Variants
<130> 100042.55084US
<140>
       TBA
<141>
       2004-07-23
       PCT/GB03/00253
<150>
<151> 2003-01-24
<150> GB 0201679.8
<151> 2003-01-24
<160> 22
<170> PatentIn version 3.2
<210>
<211>
<212>
       6
       PRT
<213> Artificial
<220>
<223> Artificial linker
<400> 1
Leu Val Pro Arg Gly Ser
<210> 2
<211> 5
<212> PRT
<213> Artificial
<220>
<223> Artificial linker
<400> 2
Ser Gly Gly Gly Gly 5
<210>
       3
<211> 10
<212> PRT
<213> Artificial
<220>
<223> Artificial linker
<400> 3
Pro Gly Ile Ser Gly Gly Gly Gly Gly 10
<210>
       4
<211> 16
<212> PRT
```

```
55084US-sequencelisting.ST25
<213> Artificial
<220>
<223> Artificial linker
<400> 4
Leu Val Pro Arg Gly Ser Pro Gly Ile Ser Gly Gly Gly Gly Gly 10 15
<210>
<211> 8
<212> PRT
<213> Artificial
<220>
<223> Artificial linker
<400> 5
Gly Gly Gly Ser Ser Ser Ser 1
<210>
       6
<211> 5
<212> PRT
<213> Artificial
<220>
<223> Artificial linker
<400> 6
Gly Gly Gly Ser
<210>
<211> 28
<212> DNA
<213> Artificial
<220>
<223> Artificial linker
<400> 7
aggcgaattc ttcccaacca ttccctat
                                                                            28
<210>
      8
<211> 39
<212> DNA
<213> Artificial
<220>
<223> Artificial linker
                                                                            39
cttcaagagg cggcggccgc ttcccaacca ttcccttat
<210>
<211> 35
<212> DNA
<213> Artificial
```

#### 55084US-sequencelisting.ST25 <220> Artificial linker <223> <400> 9 ttccaagctt catcagaagc cacagctgcc ctcca 35 <210> 10 <211> 24 <212> DNA Artificial <213> <220> <223> Artificial linker <400> 10 24 caaagctagc ggtggcatgc aagt <210> 11 <211> 30 <212> DNA <213> Artificial <220> <223> Artificial linker <400> 11 30 aagcttgaat tcctattacg tcgactctag <210> 12 35 <211> <212> DNA <213> Artificial <220> <223> Artificial linker <400> 12 cagctgctgt ggcttcggcg gccgcaggtg gcgga 35 <210> 13 27 <211> <212> DNA <213> Artificial <220> <223> Artificial linker <400> 13 27 aatgcctcga ggaattcgga acctccg <210> 14 <211> 36 <212> DNA Artificial <213> <220> <223> Artificial linker gggaaactcg aggtgcccat ccaaaaagtc caagat 36 <210> 15

#### 55084US-sequencelisting.ST25 <211> 39 <212> DNA Artificial <213> <220> <223> Artificial linker <400> 15 39 gggaaagtcg actctctaga gcacccaggg ctgaggtcc <210> 573 <211> DNA Homo sapiens <400> 16 ttcccaacca ttcccttatc caggettttt gacaacgeta gtctccgcgc ccatcgtctg 60 120 caccagctgg cctttgacac ctaccaggag tttgaagaag cctatatccc aaaggaacag aagtattcat tcctgcagaa cccccagacc tccctctgtt tctcagagtc tattccgaca 180 ccctccaaca gggaggaaac acaacagaaa tccaacctag agctgctccg catctccctg 240 ctgctcatcc agtcgtggct ggagcccgtg cagttcctca ggagtgtctt cgccaacagc 300 360 ctggtgtacg gcgcctctga cagcaacgtc tatgacctcc taaaggacct agaggaaggc atccaaacgc tgatggggag gctggaagat ggcagcccc ggactgggca gatcttcaag 420 cagacctaca gcaagttcga cacaaactca cacaacgatg acgcactact caagaactac 480 gggctgctct actgcttcag gaaggacatg gacaaggtcg agacattcct gcgcatcgtg 540 cagtgccgct ctgtggaggg cagctgtggc ttc 573 <210> 17 <211> 42 <212> DNA <213> Homo sapiens <400> 17 42 ttagtgccgc gcggcagtcc gggcattggc ggcggtggcg gc <210> 18 <211> 191 <212> PRT <213> Artificial <220> Artificial linker <223> <400> 18 Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Ser Leu Arg 1 10 15 Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe Glu

Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn Pro 35 40 45

## 55084US-sequencelisting.ST25

Gln Thr Ser Leu Cys Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn Arg 50 60
Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu Arg Ile Ser Leu 65 70 75 80
Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Phe Leu Arg Ser Val 85 90 95
Phe Ala Asn Ser Leu Val Tyr Gly Ala Ser Asp Ser Asn Val Tyr Asp 100 105 110
Leu Leu Lys Asp Leu Glu Glu Gly Ile Gln Thr Leu Met Gly Arg Leu 115 120 125
Glu Asp Gly Ser Pro Arg Thr Gly Gln Ile Phe Lys Gln Thr Tyr Ser 130 135 140
Lys Phe Asp Thr Asn Ser His Asn Asp Asp Ala Leu Leu Lys Asn Tyr 145 150 155 160
Gly Leu Leu Tyr Cys Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe 165 170 175
Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe 180 185 190
<210> 19 <211> 14 <212> PRT <213> Artificial
<220> <223> Artificial linker
<400> 19
Leu Val Pro Arg Gly Ser Pro Gly Ile Gly Gly Gly Gly Gly 10
<210> 20 <211> 438 <212> DNA <213> Homo sapiens
<400> 20 gtgcccatcc aaaaagtcca agatgacacc aaaaccctca tcaagacaat tgtcaccagg 60
atcaatgaca tttcacacac gcagtcagtc tcctccaaac agaaagtcac cggtttggac 120
ttcattcctg ggctccaccc catcctgacc ttatccaaga tggaccagac actggcagtc 180
taccaacaga tcctcaccag tatgccttcc agaaacgtga tccaaatatc caacgacctg 240
gagaacctcc gggatcttct tcacgtgctg gccttctcta agagctgcca cttgccctgg 300
gccagtggcc tggagacctt ggacagcctg gggggtgtcc tggaagcttc aggctactcc 360 Page 5

### 55084US-sequencelisting.ST25

, , ,	
acagaggtgg tggccctgag caggctgcag gggtctctgc aggacatgct gtggcagctg	420
gacctcagcc ctgggtgc	438
<210> 21 <211> 447 <212> DNA <213> Homo sapiens	
<400> 21	
gtgcccatcc aaaaagtcca agatgacacc aaaaccctca tcaagacaat tgtcaccagg	60
atcaatgaca tttcacacac gcagtcagtc tcctccaaac agaaagtcac cggtttggac	120
ttcattcctg ggctccaccc catcctgacc ttatccaaga tggaccagac actggcagtc	180
taccaacaga tcctcaccag tatgccttcc agaaacgtga tccaaatatc caacgacctg	240
gagaacctcc gggatcttct tcacgtgctg gccttctcta agagctgcca cttgccctgg	300
gccagtggcc tggagacctt ggacagcctg gggggtgtcc tggaagcttc aggctactcc	360
acagaggtgg tggccctgag caggctgcag gggtctctgc aggacatgct gtggcagctg	420
gacctcagcc ctgggtgctt agtgccg	447
<210> 22 <211> 146 <212> PRT <213> Artificial	
<220> <223> Artificial linker	
<400> 22	
Val Pro Ile Gln Lys Val Gln Asp Asp Thr Lys Thr Leu Ile Lys Thr 1 5 10 15	
Ile Val Thr Arg Ile Asn Asp Ile Ser His Thr Gln Ser Val Ser Ser 20 25 30	
Lys Gln Lys Val Thr Gly Leu Asp Phe Ile Pro Gly Leu His Pro Ile 35 40 45	
Leu Thr Leu Ser Lys Met Asp Gln Thr Leu Ala Val Tyr Gln Gln Ile 50 60	
Leu Thr Ser Met Pro Ser Arg Asn Val Ile Gln Ile Ser Asn Asp Leu 65 70 75 80	
Glu Asn Leu Arg Asp Leu Leu His Val Leu Ala Phe Ser Lys Ser Cys 85 90 95	
His Leu Pro Trp Ala Ser Gly Leu Glu Thr Leu Asp Ser Leu Gly Gly 100 105 110	
Val Leu Glu Ala Ser Gly Tyr Ser Thr Glu Val Val Ala Leu Ser Arg	

Leu Gln Gly Ser Leu Gln Asp Met Leu Trp Gln Leu Asp Leu Ser Pro 130 140

Gly Cys 145